

I claim:

1. In a gun comprising
  - a body having a cavity for supporting a round of ammunition,
  - a firing pin for striking the round of ammunition,
  - a hammer for striking the firing pin, and
  - a trigger mechanism for releasing the hammer, the improvement wherein the hammer has a channel in its forward face for preventing direct contact between the hammer and the firing pin, and further including
    - a transfer bar situated in said channel, the transfer bar being movable between a safe position where it does not occupy a portion of the channel behind the firing pin, and a firing position where it does occupy the portion of the channel behind the firing pin.
2. The invention of claim 1, further including a linkage extending between the trigger and the transfer bar, said linkage being adapted to allow the transfer bar to move to said firing position in the channel only when the trigger is pulled rearward.
3. The invention of claim 1, further including a rocker adapted for pivoting movement, a linkage extending between the trigger and the rocker for pivoting the rocker when the trigger is pulled rearward, and means connecting the rocker to the transfer bar such that the transfer bar can move to said firing position in the channel only when the trigger is pulled rearward.
4. The invention of claim 3, wherein the rocker and the hammer are mounted for pivoting about a common axis with respect to the body.
5. The invention of claim 4, wherein said linkage has one end connected to the rocker at a point on a link axis a distance from said common axis and a second end connected to the trigger.
6. The invention of claim 5, wherein the linkage causes the rocker and trigger to pivot in opposite directions.

7. The invention of claim 4, wherein the rocker and the hammer have a lost motion connection whereby cocking of the hammer produces movement of the rocker only over part of the motion of the hammer.
8. The invention of claim 7, wherein the linkage is adapted to move the transfer bar upward within the channel toward said firing position when the rocker pivots rearward with respect to the hammer.
9. The invention of claim 1, wherein the gun has a sliding bolt and the transfer bar is adapted to avoid interfering with the bolt.